



SEQ LIST CEN0312NP 02-10-04.txt
SEQUENCE LISTING

<110> Li, Jian;
Mbow, Lamine;
Goletz, Terry;
Peritt, David

<120> METHOD OF INDUCING MATURATION OF DENDRITIC CELLS AND USES THEREFOR

<130> CEN0312 NP

<140> US 10/666,490
<141> 2003-09-19

<150> 60/412,145
<150> 2002-09-19

<160> 5

<170> PatentIn Ver 3.0

<210> 1
<211> 157
<212> PRT
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Asp Gln Val Leu Phe Ile Asp Gln Gly Asn Arg Pro Leu Phe Glu Asp
20 25 30

Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg Thr Ile Phe Ile
35 40 45

Ile Ser Met Tyr Lys Asp Ser Gln Pro Arg Gly Met Ala Val Thr Ile
50 55 60

Ser Val Lys Cys Glu Lys Ile Ser Thr Leu Ser Cys Glu Asn Lys Ile
65 70 75 80

Ile Ser Phe Lys Glu Met Asn Pro Pro Asp Asn Ile Lys Asp Thr Lys
85 90 95

Ser Asp Ile Ile Phe Phe Gln Arg Ser Val Pro Gly His Asp Asn Lys
100 105 110

Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe Leu Ala Cys Glu
115 120 125

Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys Lys Glu Asp Glu Leu
130 135 140

Gly Asp Arg Ser Ile Met Phe Thr Val Gln Asn Glu Asp
145 150 155

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<212> PRT
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Phe Tyr Leu Lys His Cys Ser Cys Ser Leu Ala His Glu Ile Glu Thr
20 25 30
Thr Thr Lys Ser Trp Tyr Lys Ser Ser Gly Ser Gln Glu His Val Glu
35 40 45
Leu Asn Pro Arg Ser Ser Ser Arg Ile Ala Leu His Asp Cys Val Leu
50 55 60
Glu Phe Trp Pro Val Glu Leu Asn Asp Thr Gly Ser Tyr Phe Phe Gln
65 70 75 80
Met Lys Asn Tyr Thr Gln Lys Trp Lys Leu Asn Val Ile Arg Arg Asn
85 90 95
Lys His Ser Cys Phe Thr Glu Arg Gln Val Thr Ser Lys Ile Val Glu
100 105 110
Val Lys Lys Phe Phe Gln Ile Thr Cys Glu Asn Ser Tyr Tyr Gln Thr
115 120 125
Leu Val Asn Ser Thr Ser Leu Tyr Lys Asn Cys Lys Lys Leu Leu Leu
130 135 140
Glu Asn Asn Lys Asn Pro Thr Ile Lys Lys Asn Ala Glu Phe Glu Asp
145 150 155 160
Gln Gly Tyr Tyr Ser Cys Val His Phe Leu His His Asn Gly Lys Leu
165 170 175
Phe Asn Ile Thr Lys Thr Phe Asn Ile Thr Ile Val Glu Asp Arg Ser
180 185 190
Asn Ile Val Pro Val Leu Leu Gly Pro Lys Leu Asn His Val Ala Val
195 200 205
Glu Leu Gly Lys Asn Val Arg Leu Asn Cys Ser Ala Leu Leu Asn Glu
210 215 220

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tggctgctaa agcggctgcc acctgctgca gtctacacag cttcggaag aggaaaggaa 120
cctcagacct tccagatcgc ttcctctcgc aacaaactat ttgtcgcagg aataaagatg 180

SEQ LIST CEN0312NP 02-10-04.txt

gctgctgaac cagtagaaga caattgcatc aactttgtgg caatgaaatt tattgacaat 240
 acgctttact ttatagctga agatgatgaa aacctggaat cagattactt tggcaagctt 300
 gaatctaaat tatcagtcac aagaaatttg aatgaccaag ttctcttcat tgaccaagga 360
 aatcggcctc tatttgaaga tatgactgat tctgactgta gagataatgc accccggacc 420
 atatttatta taagtatgta taaagatagc cagcctagag gtatggctgt aactatctct 480
 gtgaagtgtg agaaaatttc aactctctcc tgtgagaaca aaattatttc ctttaaggaa 540
 atgaatcctc ctgataacat caaggataga aaaagtgaca tcatattctt tcagagaagt 600
 gtcccaggac atgataataa gatgcaattt gaatcttcat catacgaagg atactttcta 660
 gcttgtgaaa aagagagaga cctttttaaa ctcatcttga aaaaagagga tgaattgggg 720
 gatagatcta taatgttcac tgttcaaaac gaagactagc tattaaaatt tcatgccggg 780
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 aggtcaggtg ttcaagacca gcctgaccaa catggtgaaa cctcatctct actaaaaata 900
 ctaaaaatta gctgagtgtg gtgacgcatg ccctcaatcc cagctactca agaggctgag 960
 gcaggagaat cacttgcaact ccggaggtag aggttgtggt gagccgagat tgcaccattg 1020
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<210> 4
 <211> 310
 <212> PRT
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Cys Lys Glu Arg Glu Glu Lys Ile Ile Leu Val Ser Ser Ala Asn Glu
 1 5 10 15
 Ile Asp Val Arg Pro Cys Pro Leu Asn Pro Asn Glu His Lys Gly Thr
 20 25 30
 Ile Thr Trp Tyr Lys Asp Asp Ser Lys Thr Pro Val Ser Thr Glu Gln
 35 40 45
 Ala Ser Arg Ile His Gln His Lys Glu Lys Leu Trp Phe Val Pro Ala
 50 55 60
 Lys Val Glu Asp Ser Gly His Tyr Tyr Cys Val Val Arg Asn Ser Ser
 65 70 75 80
 Tyr Cys Leu Arg Ile Lys Ile Ser Ala Lys Phe Val Glu Asn Glu Pro
 85 90 95
 Asn Leu Cys Tyr Asn Ala Gln Ala Ile Phe Lys Gln Lys Leu Pro Val
 100 105 110

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Ala Gly Asp Gly Gly Leu Val Cys Pro Tyr Met Glu Phe Phe Lys Asn
 115 120 125

Glu Asn Asn Glu Leu Pro Lys Leu Gln Trp Tyr Lys Asp Cys Lys Pro
 130 135 140

Leu Leu Leu Asp Asn Ile His Phe Ser Gly Val Lys Asp Arg Leu Ile
 145 150 155 160

Val Met Asn Val Ala Glu Lys His Arg Gly Asn Tyr Thr Cys His Ala
 165 170 175

Ser Tyr Thr Tyr Leu Gly Lys Gln Tyr Pro Ile Thr Arg Val Ile Glu
 180 185 190

Phe Ile Thr Leu Glu Glu Asn Lys Pro Thr Arg Pro Val Ile Val Ser
 195 200 205

Pro Ala Asn Glu Thr Met Glu Val Asp Leu Gly Ser Gln Ile Gln Leu
 210 215 220

Ile Cys Asn Val Thr Gly Gln Leu Ser Asp Ile Ala Tyr Trp Lys Trp
 225 230 235 240

Asn Gly Ser Val Ile Asp Glu Asp Asp Pro Val Leu Gly Glu Asp Tyr
 245 250 255

Tyr Ser Val Glu Asn Pro Ala Asn Lys Arg Arg Ser Thr Leu Ile Thr
 260 265 270

Val Leu Asn Ile Ser Glu Ile Glu Ser Arg Phe Tyr Lys His Pro Phe
 275 280 285

Thr Cys Phe Ala Lys Asn Thr His Gly Ile Asp Ala Ala Tyr Ile Gln
 290 295 300

Leu Ile Tyr Pro Val Thr
 305 310

<210> 5
 <211> 298
 <212> PRT
 <400> 5

Glu Ser Cys Thr Ser Arg Pro His Ile Thr Val Val Glu Gly Glu Pro
 1 5 10 15

Phe Tyr Leu Lys His Cys Ser Cys Ser Leu Ala His Glu Ile Glu Thr
 20 25 30

Thr Thr Lys Ser Trp Tyr Lys Ser Ser Gly Ser Gln Glu His Val Glu
 35 40 45

Leu Asn Pro Arg Ser Ser Ser Arg Ile Ala Leu His Asp Cys Val Leu
 50 55 60

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Phe | Trp | Pro | Val | Glu | Leu | Asn | Asp | Thr | Gly | Ser | Tyr | Phe | Phe | Gln | 65 | 70 | 75 | 80 |
| Met | Lys | Asn | Tyr | Thr | Gln | Lys | Trp | Lys | Leu | Asn | Val | Ile | Arg | Arg | Asn | 85 | 90 | 95 | |
| Lys | His | Ser | Cys | Phe | Thr | Glu | Arg | Gln | Val | Thr | Ser | Lys | Ile | Val | Glu | 100 | 105 | 110 | |
| Val | Lys | Lys | Phe | Phe | Gln | Ile | Thr | Cys | Glu | Asn | Ser | Tyr | Tyr | Gln | Thr | 115 | 120 | 125 | |
| Leu | Val | Asn | Ser | Thr | Ser | Leu | Tyr | Lys | Asn | Cys | Lys | Lys | Leu | Leu | Leu | 130 | 135 | 140 | |
| Glu | Asn | Asn | Lys | Asn | Pro | Thr | Ile | Lys | Lys | Asn | Ala | Glu | Phe | Glu | Asp | 145 | 150 | 155 | 160 |
| Gln | Gly | Tyr | Tyr | Ser | Cys | Val | His | Phe | Leu | His | His | Asn | Gly | Lys | Leu | 165 | 170 | 175 | |
| Phe | Asn | Ile | Thr | Lys | Thr | Phe | Asn | Ile | Thr | Ile | Val | Glu | Asp | Arg | Ser | 180 | 185 | 190 | |
| Asn | Ile | Val | Pro | Val | Leu | Leu | Gly | Pro | Lys | Leu | Asn | His | Val | Ala | Val | 195 | 200 | 205 | |
| Glu | Leu | Gly | Lys | Asn | Val | Arg | Leu | Asn | Cys | Ser | Ala | Leu | Leu | Asn | Glu | 210 | 215 | 220 | |
| Glu | Asp | Val | Ile | Tyr | Trp | Met | Phe | Gly | Glu | Glu | Asn | Gly | Ser | Asp | Pro | 225 | 230 | 235 | 240 |
| Asn | Ile | His | Glu | Glu | Lys | Glu | Met | Arg | Ile | Met | Thr | Pro | Glu | Gly | Lys | 245 | 250 | 255 | |
| Trp | His | Ala | Ser | Lys | Val | Leu | Arg | Ile | Glu | Asn | Ile | Gly | Glu | Ser | Asn | 260 | 265 | 270 | |
| Leu | Asn | Val | Leu | Tyr | Asn | Cys | Thr | Val | Ala | Ser | Thr | Gly | Gly | Thr | Asp | 275 | 280 | 285 | |
| Thr | Lys | Ser | Phe | Ile | Leu | Val | Arg | Lys | Ala | | | | | | | 290 | 295 | | |